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RESEARCH ON MICRO-SATELLITE ORBIT FORECASTING TECHNOLOGY BASED ON ARTIFICIAL INTELLIGENCE

Abstract

Consider to the limitations of existing forecasting technologies and the characteristics of huge scale of micro-satellite network, we propose intelligent prediction technology of the orbit of Micro-Satellite based on artificial intelligence in this paper. Some numerical simulations have been made to verify the proposed intelligent prediction technology. The experiments result shows that the mean square error of the result is lower than 2km.